

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



Fig. 1A

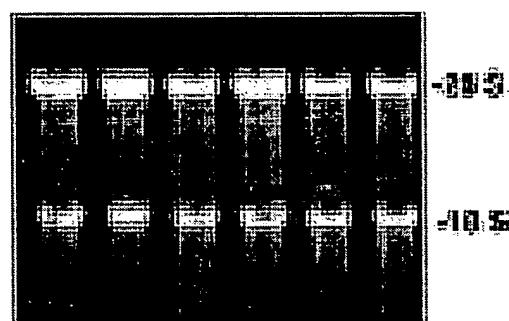


Fig. 1B



Fig. 1C

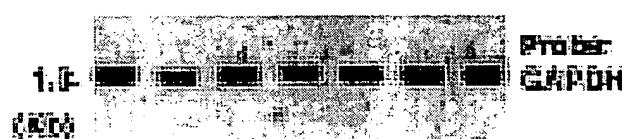


Fig. 1D

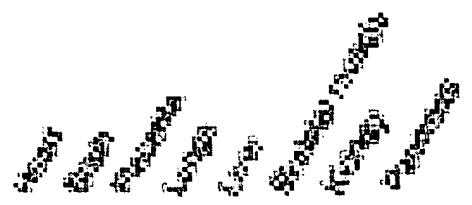


Fig. 1E



Fig. 1F

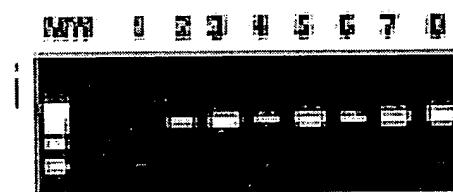
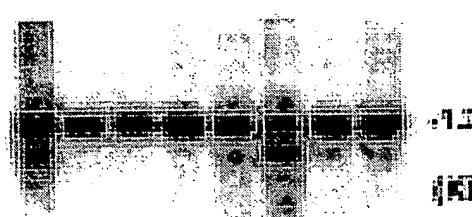


Fig. 1G

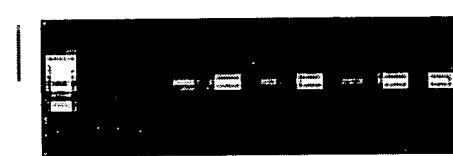


Fig. 1H

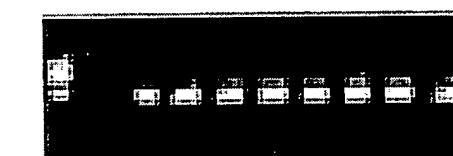


Fig. 1I

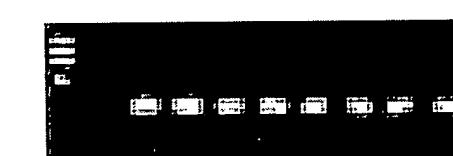


Fig. 1J

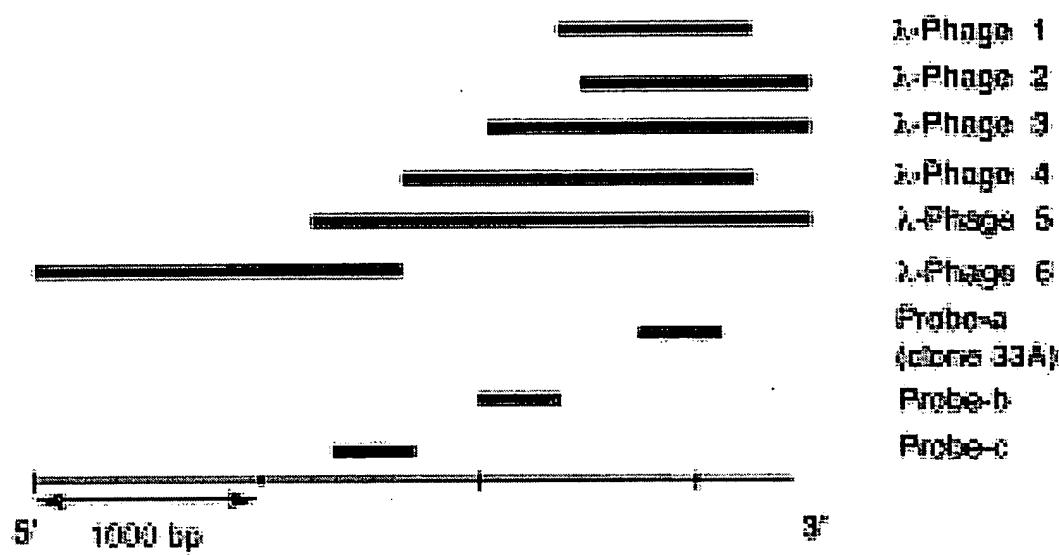


Fig. 1K

S	H	G	S	P	N	Y	K	T	D	R	S	V	F	E	S	-	14		
S	E	I	C	L	R	P	C	P	H	R	G	S	S	K	H	P	-	34	
M	T	S	T	I	E	P	Y	M	R	G	P	Y	C	D	S	I	R	-	54
A	P	L	E	X	T	G	S	T	R	H	D	A	V	C	R	V	C	-	74
A	I	L	A	I	I	I	G	E	P	I	H	I	I	L	R	E	S	-	94
S	T	E	O	M	P	Y	V	A	L	Y	R	O	V	G	C	P	L	-	114
C	C	A	I	S	Q	S	P	I	D	I	R	R	T	B	I	A	L	-	134
P	H	P	E	S	W	C	W	P	D	P	S	O	I	H	C	S	B	-	154
I	O	Q	M	Y	R	C	H	G	D	O	S	E	V	O	E	R	E	-	174
P	S	G	H	N	S	F	S	H	Y	T	H	L	T	L	M	L	Y	-	194
O	A	R	P	T	S	R	S	A	R	L	L	R	P	L	O	P	T	-	214
H	H	A	P	Y	P	O	L	S	R	V	S	D	H	R	H	H	P	-	234
G	Y	L	A	O	P	E	O	G	N	L	T	A	C	C	I	H	F	-	254
Q	D	L	F	R	T	E	T	T	E	S	L	P	A	P	A	J	R	-	274
W	D	S	P	Y	D	I	I	D	R	H	M	H	H	H	H	H	H	-	294
W	D	S	P	Y	D	I	I	D	R	H	M	H	H	H	H	H	H	-	314

Fig. 1L

<u>Species</u>	<u>Lipid Phosphatase Domain</u>	<u>SEQ ID NO</u>
Human	DIAKVSIGRLRPHFLSVC	14
Rat	DIAKYSIGRLRPHFLAVC	15
Mouse	DIAKYTIGSLRPHFLAIC	16
Human	DLAKYMICRLLRPNFLAVC	17
Drosophila	NIAKYSIGRLRPHFYTLC	18
C. elegans	IVTKHVVGRLRPHFLDVC	19

Fig. 1M

-	+	+	+	+	+	+	+	VEGF (100 ng/ml)
-	-	-	-	-	-	+	+	bFGF (50 ng/ml)
-	-	-	+	-	-	-	-	Anti- α_1 Integrin
-	-	+	-	-	-	+	+	Anti- α_2 Integrin
-	-	-	-	+	-	-	+	Anti-VEGF
-	-	-	-	-	+	-	-	Anti-bFGF

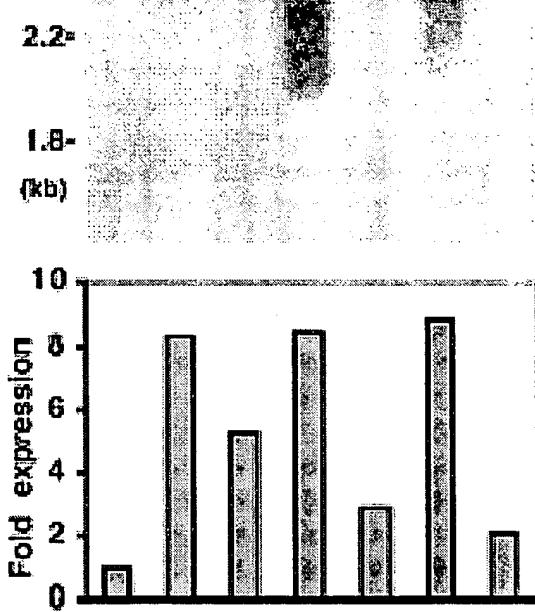
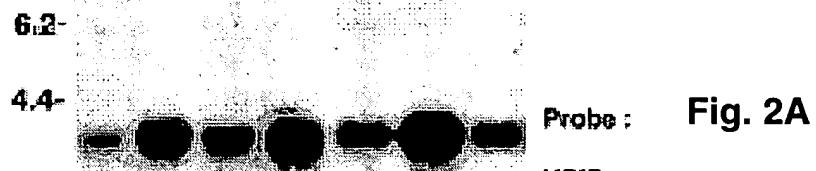
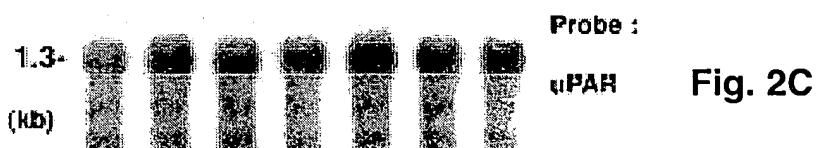


Fig. 2B



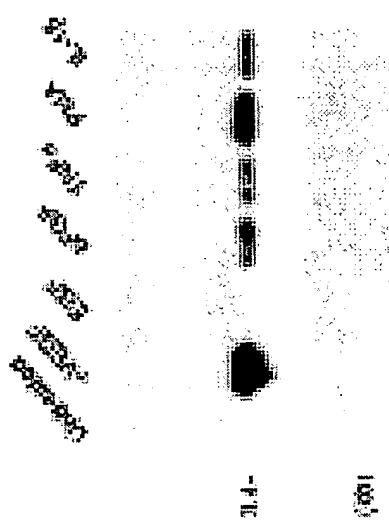
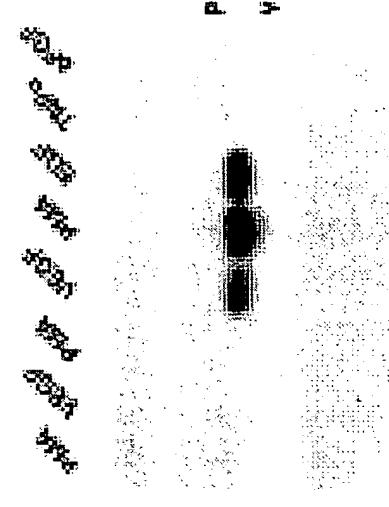


Fig. 3A

J.4-



J.4-

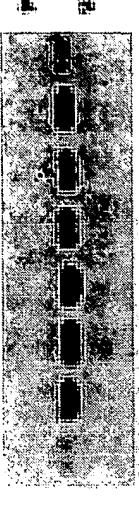
Fig. 3D

J.4-



Fig. 3B

J.4-



J.4-

Fig. 3E

J.4-

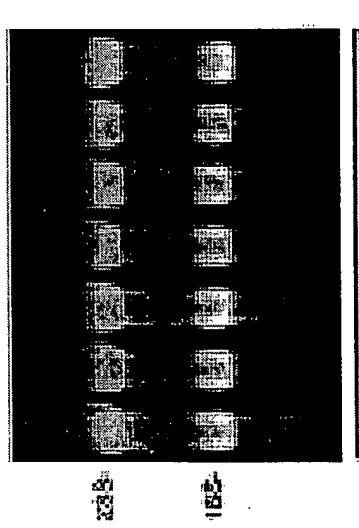
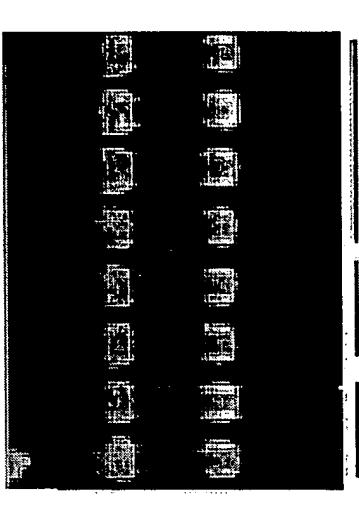


Fig. 3C

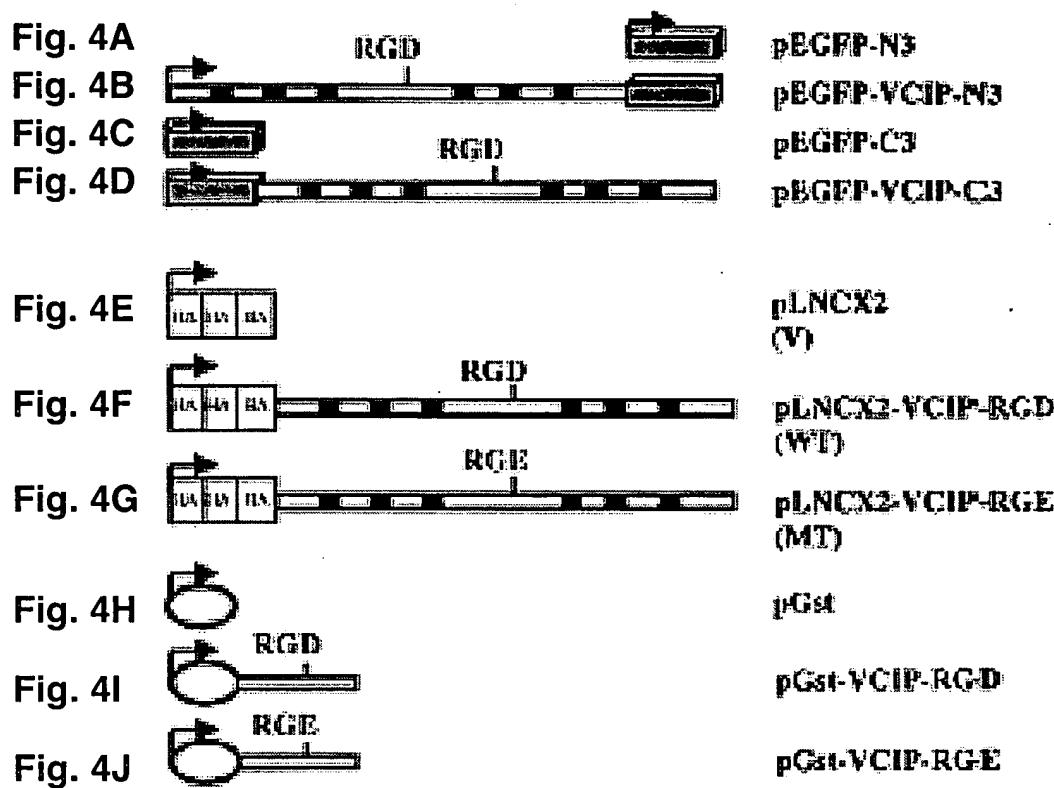
J.4-

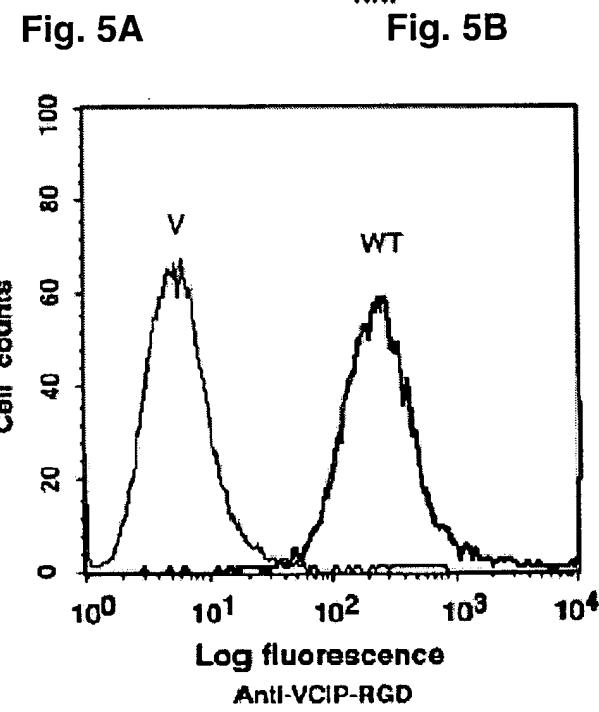
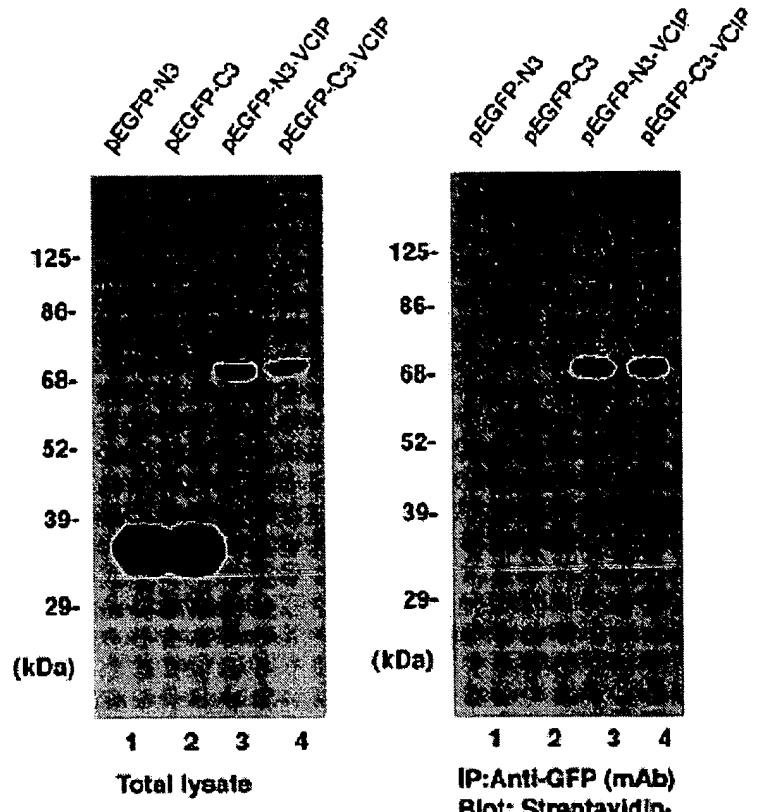


J.4-

Fig. 3F

J.4-





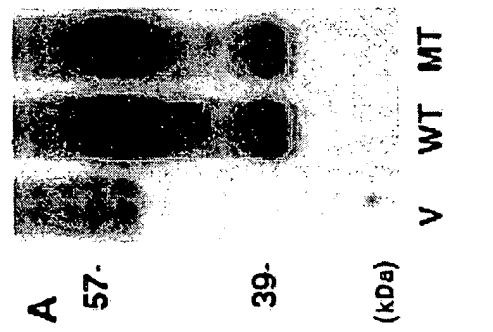


Fig. 6A

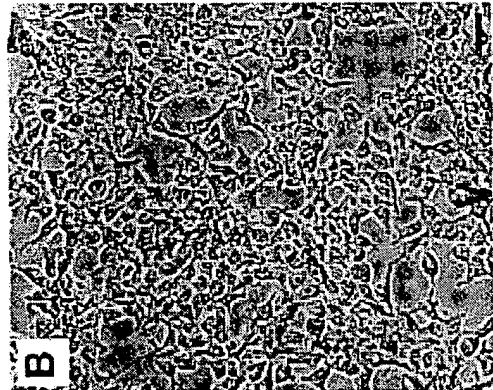


Fig. 6B

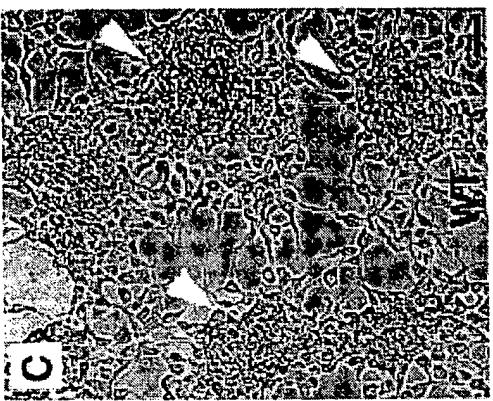


Fig. 6C

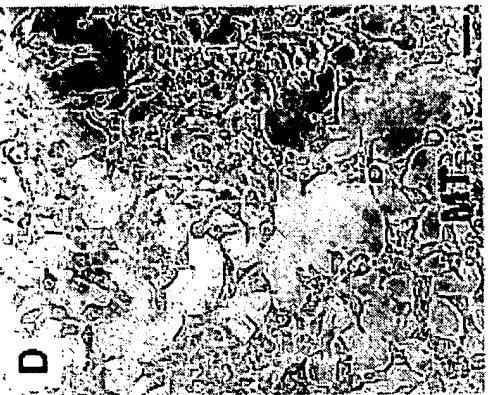


Fig. 6D

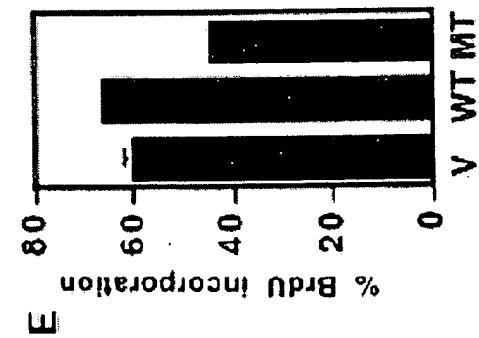


Fig. 6E

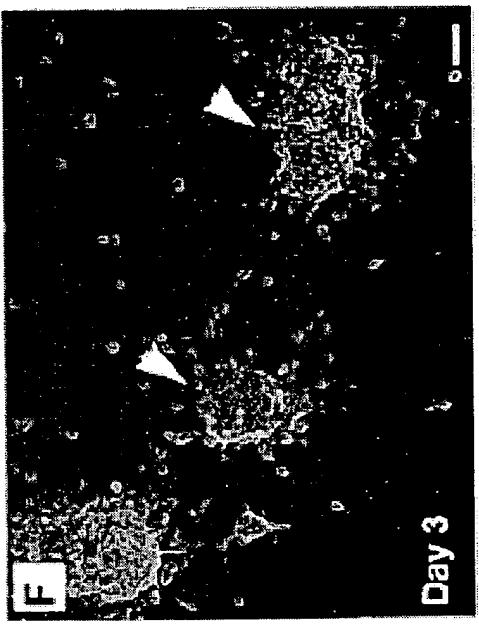


Fig. 6F

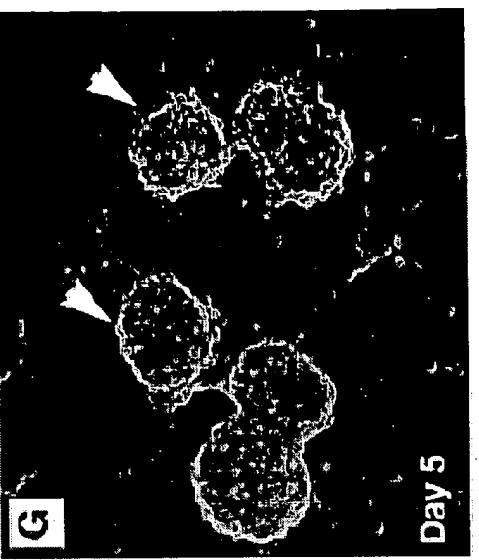


Fig. 6G

Fig. 6F

Fig. 6K

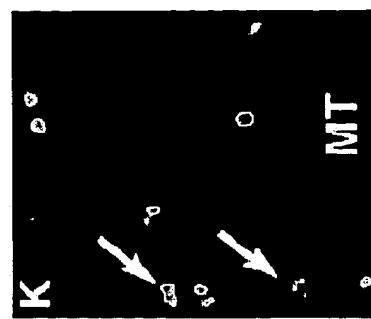


Fig. 6J

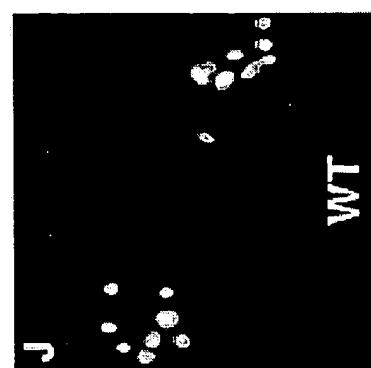


Fig. 6I

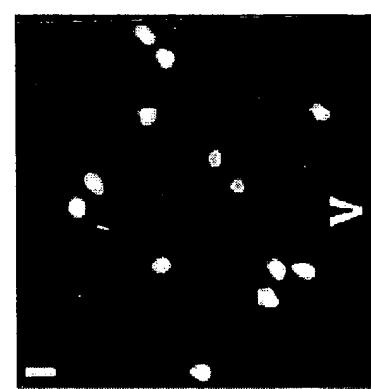


Fig. 6H

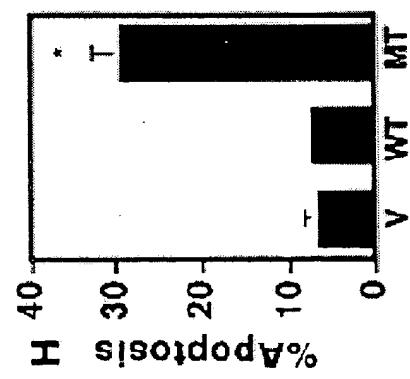


Fig. 7A

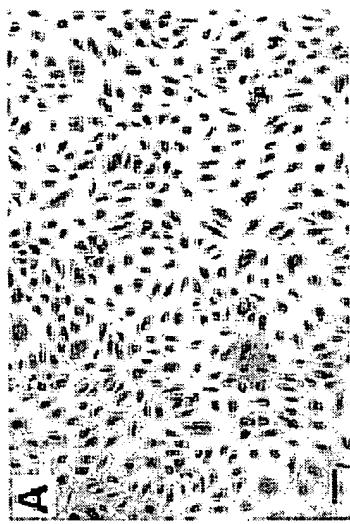


Fig. 7B

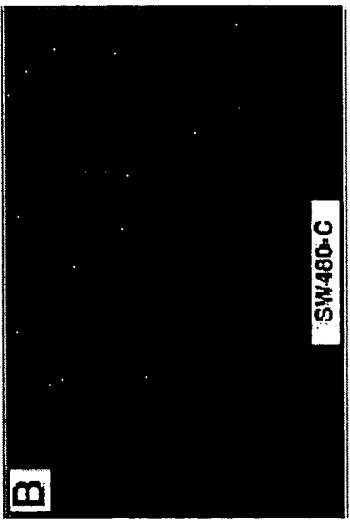


Fig. 7C

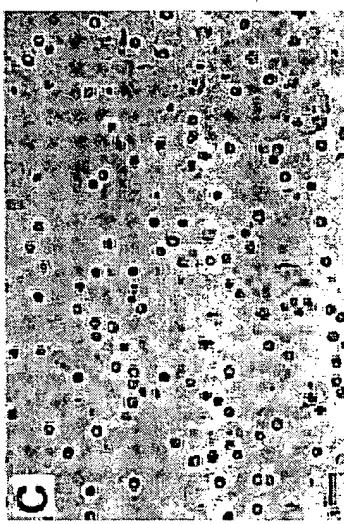


Fig. 7D

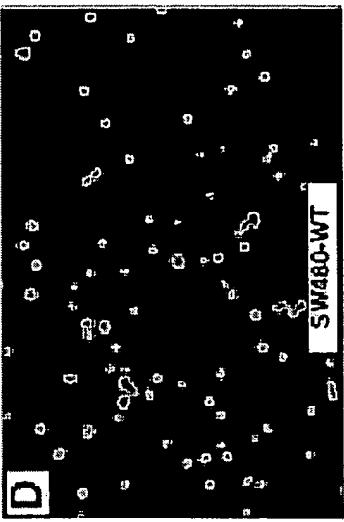


Fig. 7N

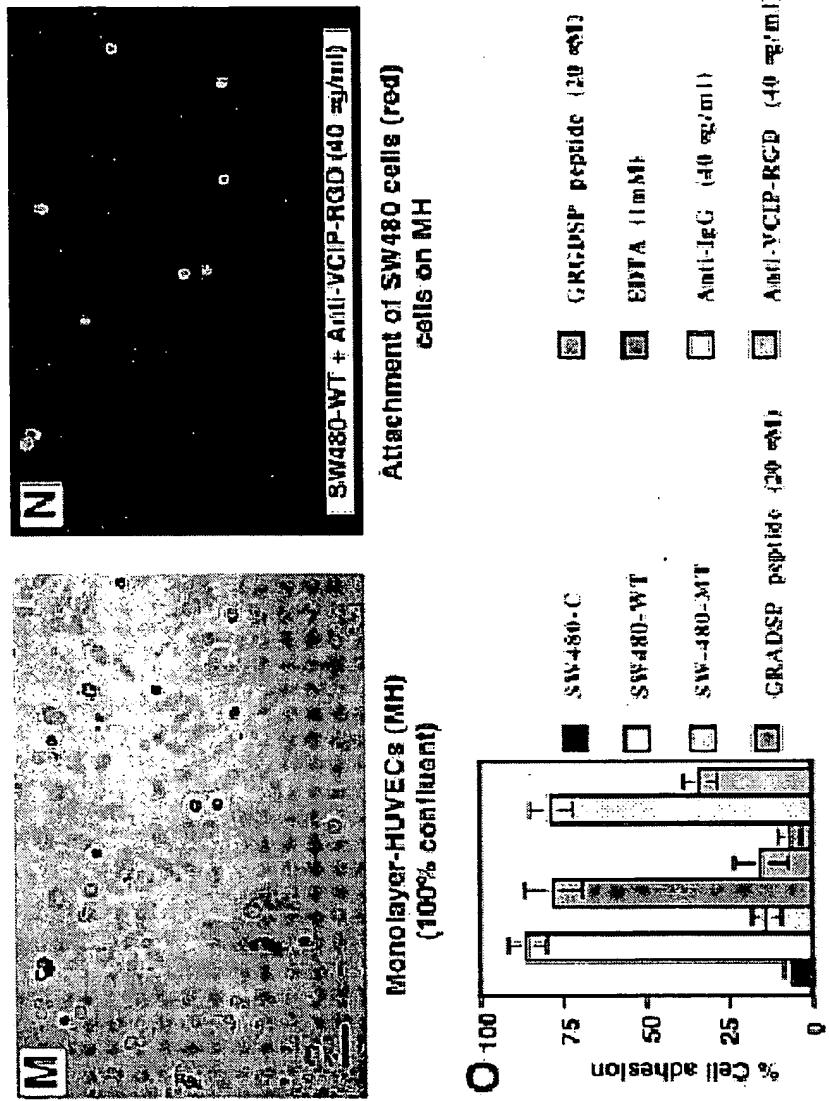


Fig. 7M

Fig. 7O

Fig. 8A

	V	WT	MT	(Total lysate)
--	---	----	----	----------------



Fig. 8B

	V	WT	MT	(Total lysate)
--	---	----	----	----------------

120-

Anti-p120ctn

110-

Fig. 8C

	V	WT	MT	(Total lysate)
--	---	----	----	----------------

125-

Anti-p-Fak
(Y397)

125-

Anti-Fak

Fig. 8D

	V	WT	MT	(Total lysate)
--	---	----	----	----------------

62-

Anti-p-Akt
(Ser437/Thr308)

62-

Anti-Akt

(kDa)

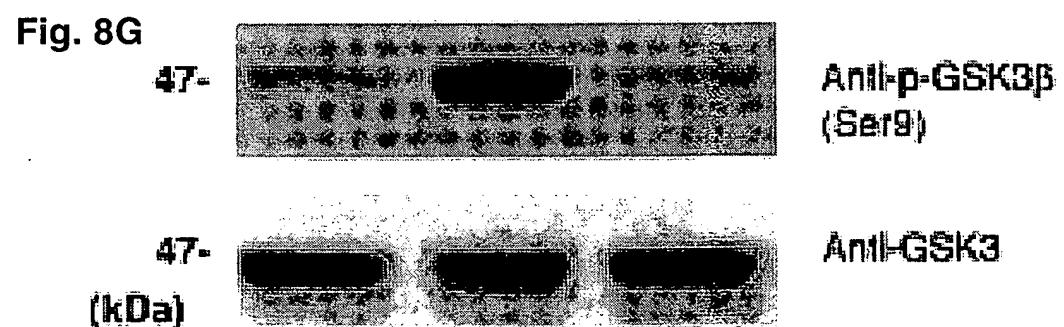
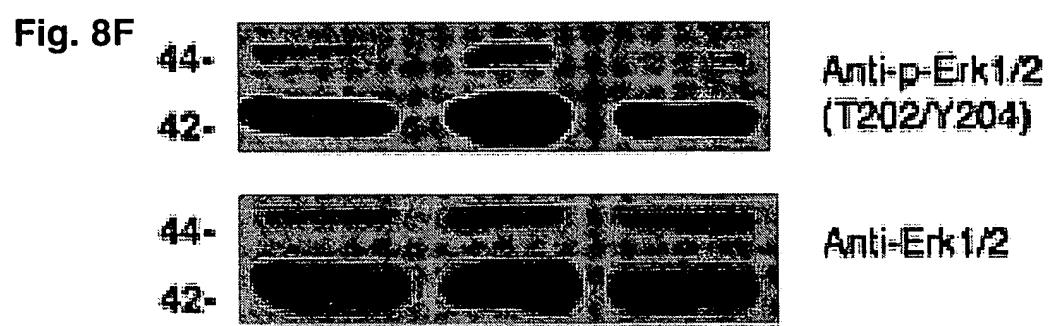
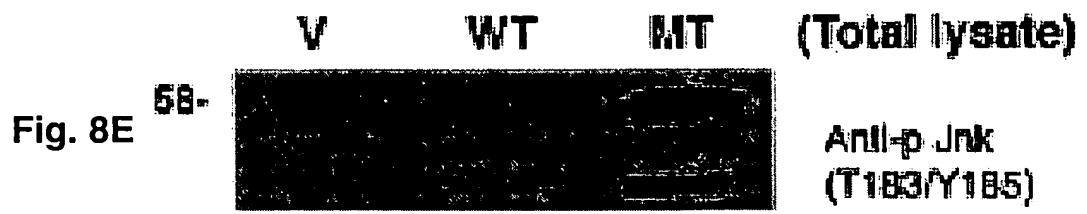


Fig. 9C

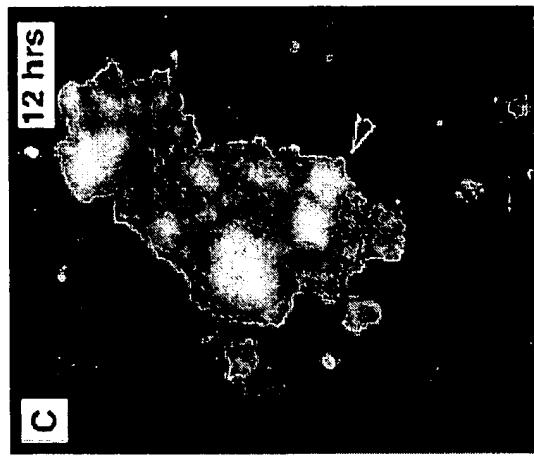


Fig. 9B

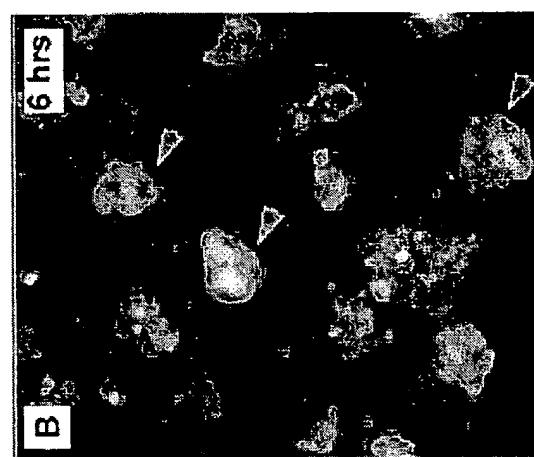


Fig. 9A

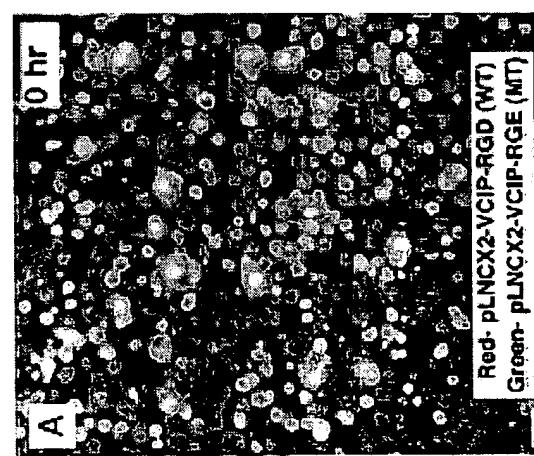


Fig. 9F

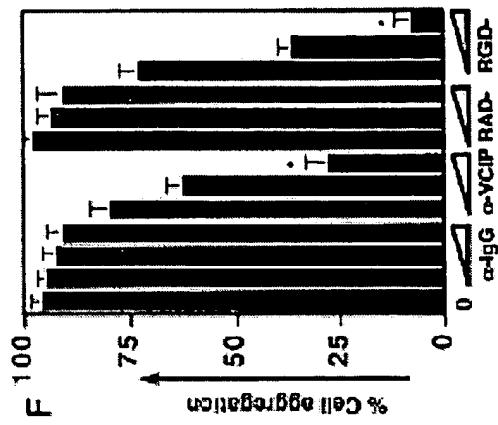


Fig. 9E

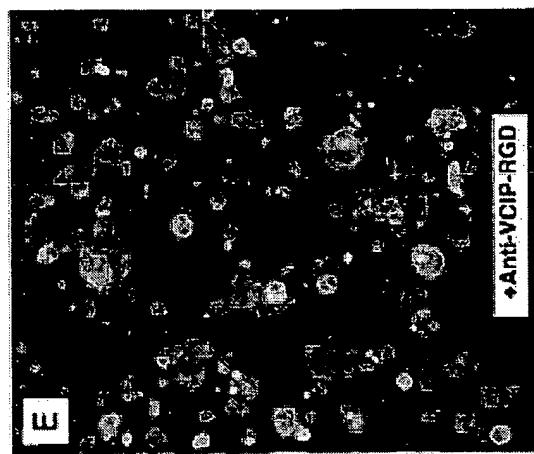


Fig. 9D

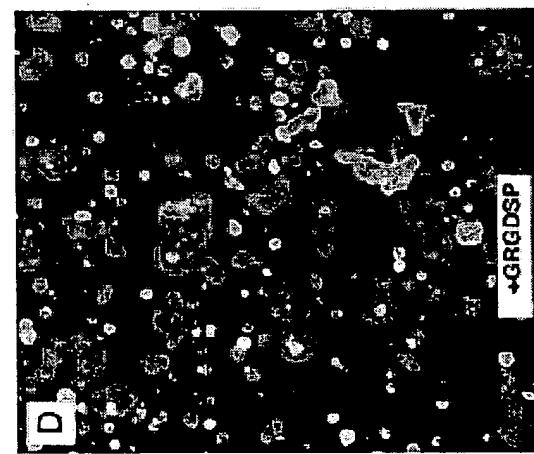


Fig. 10C

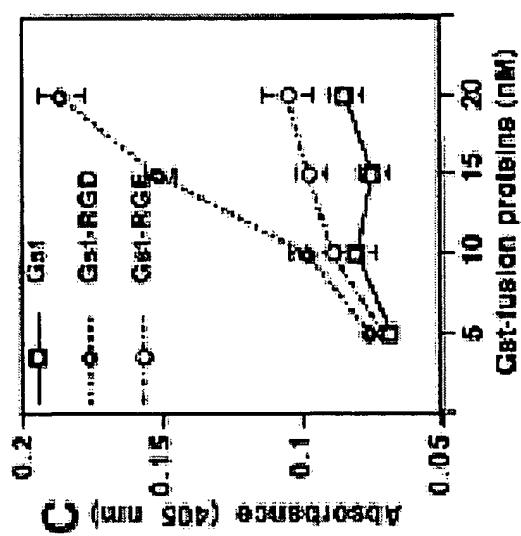


Fig. 10B

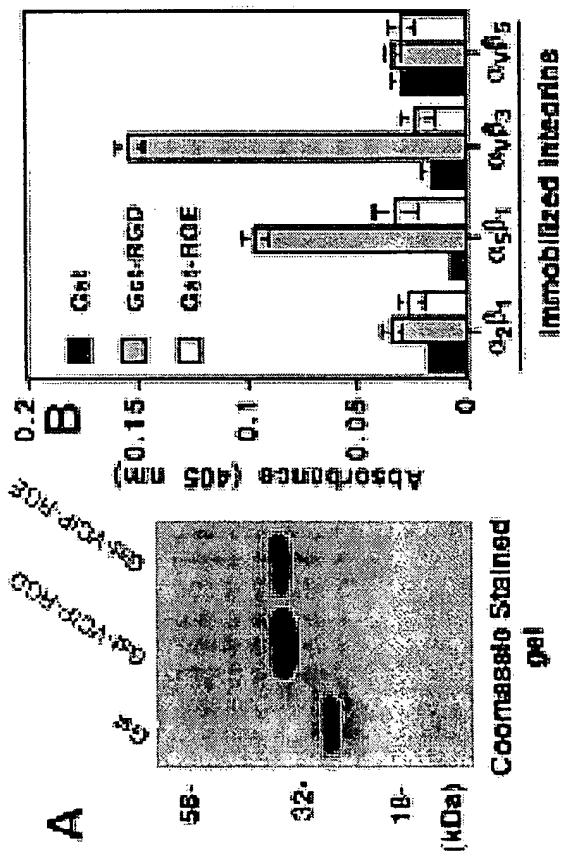


Fig. 10A

Fig. 10D

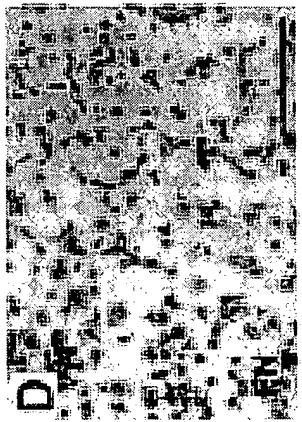


Fig. 10E

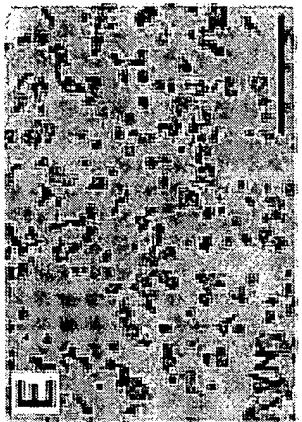
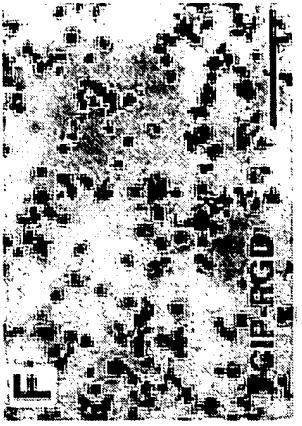
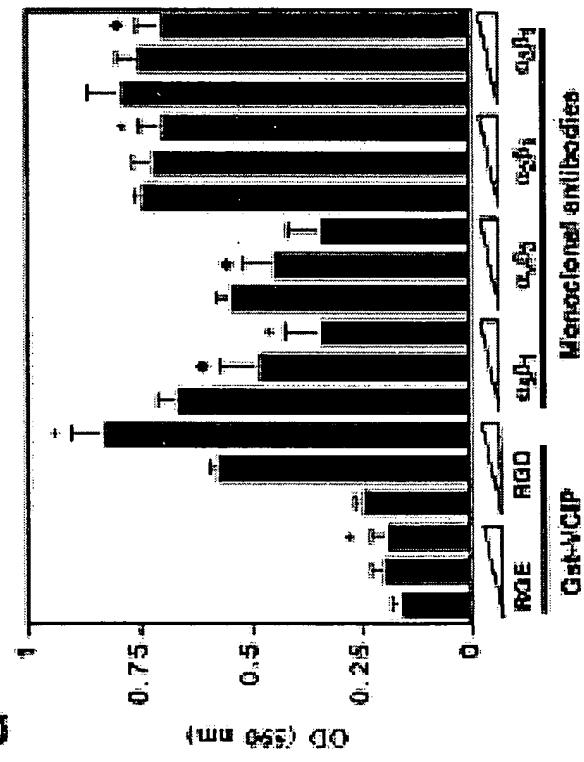
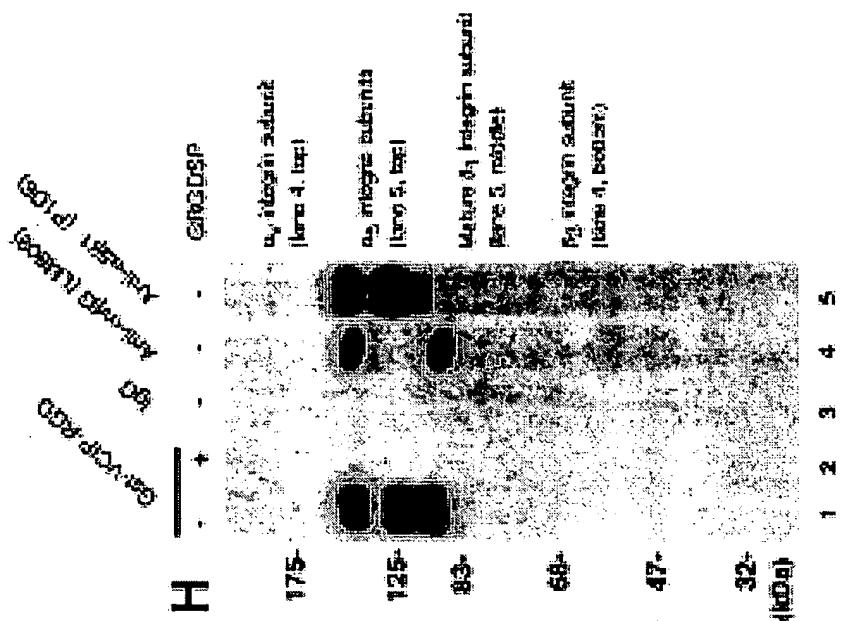


Fig. 10F



G**Fig. 10G****Fig. 10H**

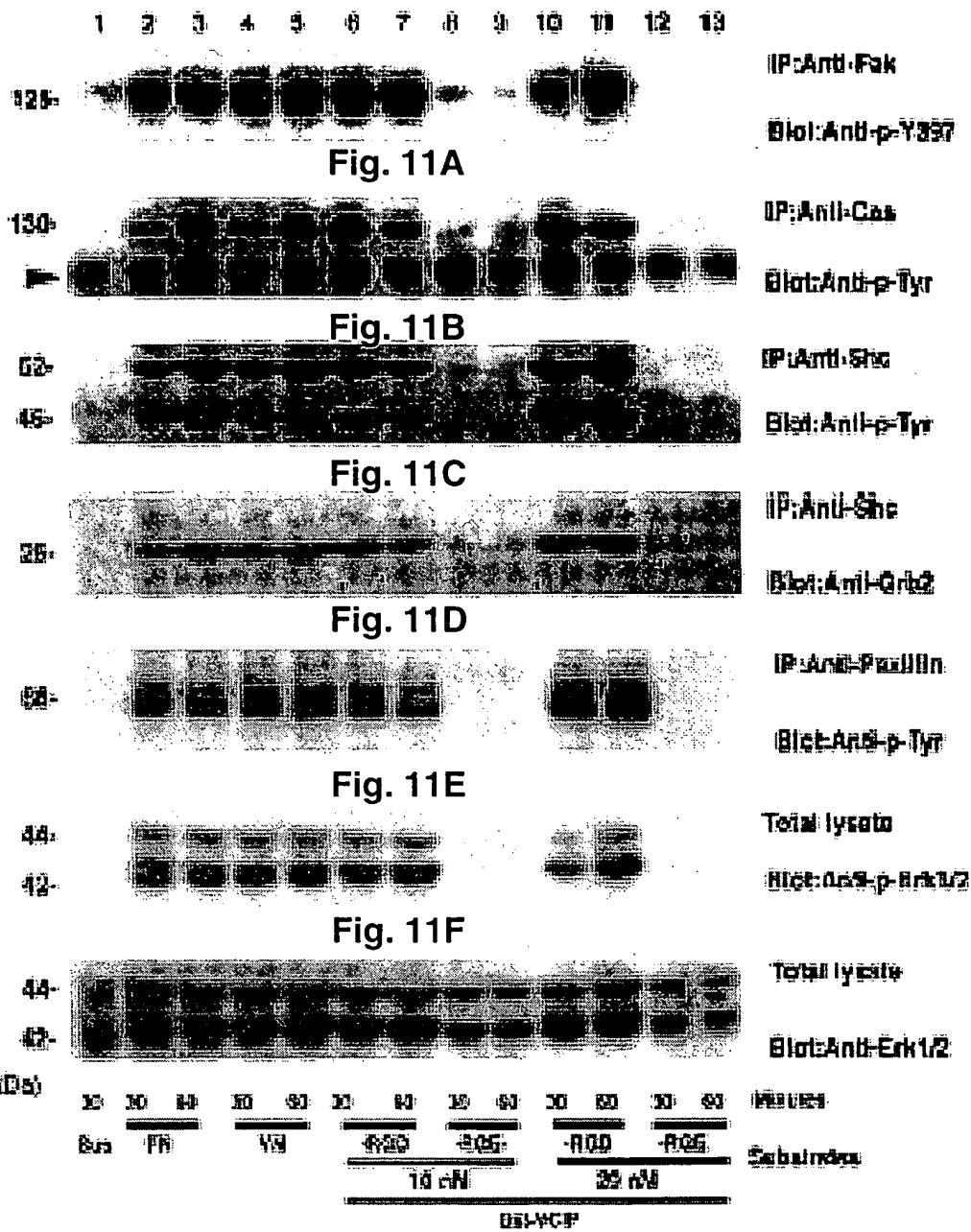


Fig. 12C

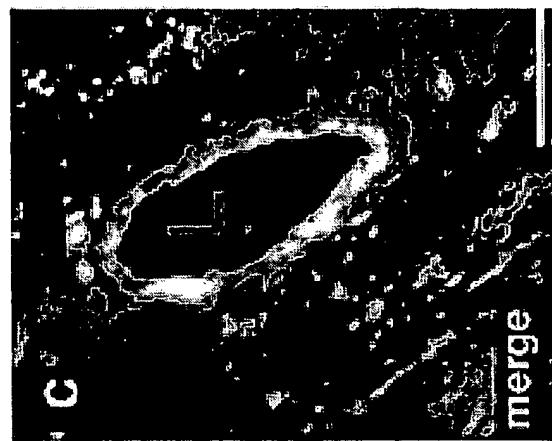


Fig. 12B

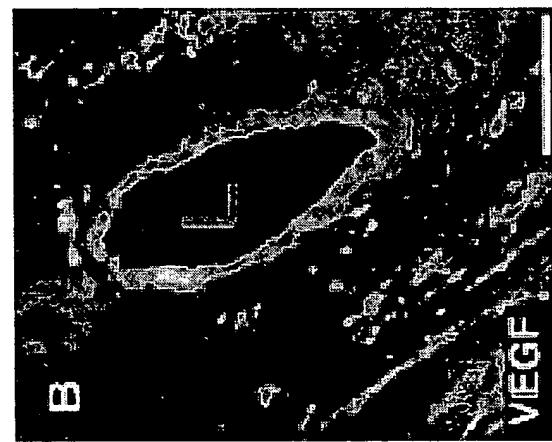


Fig. 12A



Fig. 12F



Fig. 12E

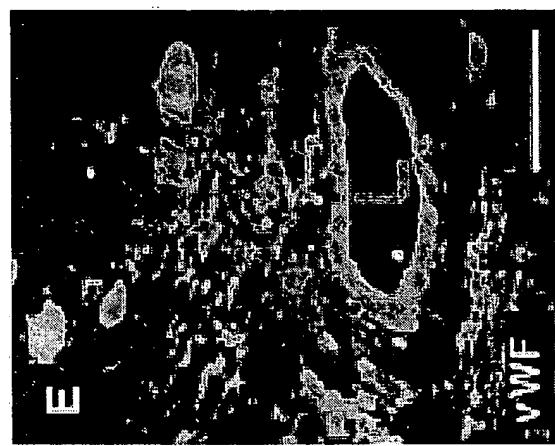


Fig. 12D

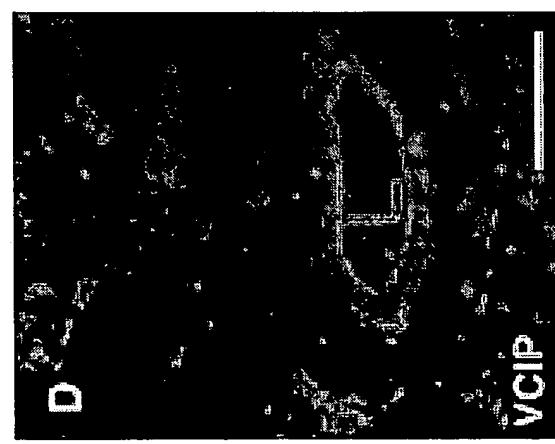


Fig. 12I



Fig. 12H

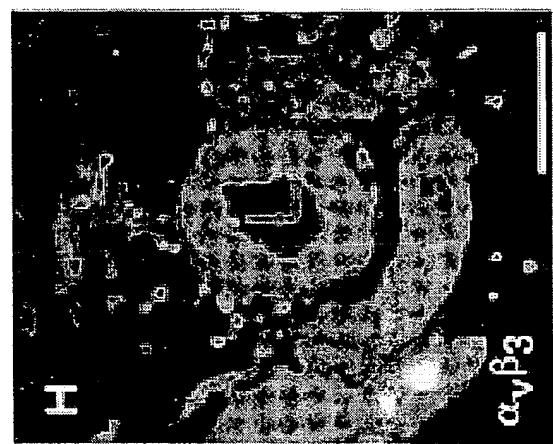
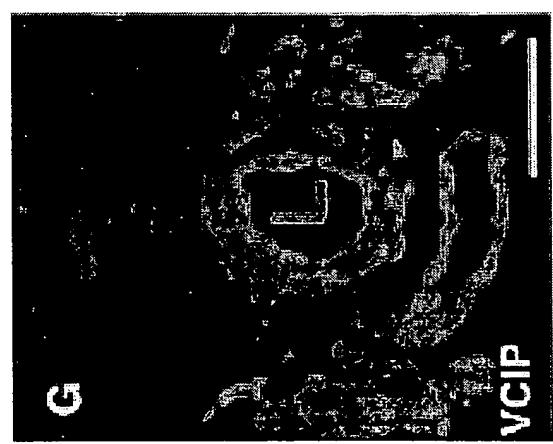


Fig. 12G



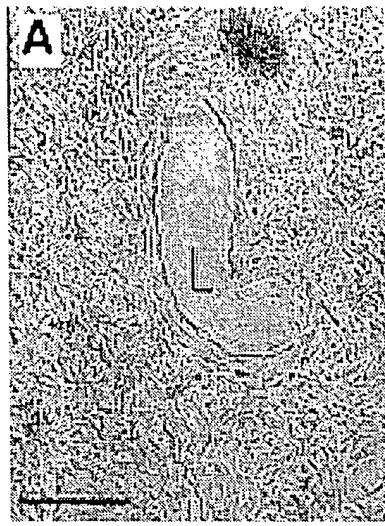


Fig. 13A

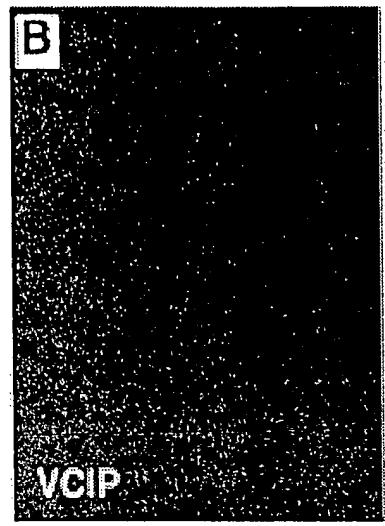


Fig. 13B

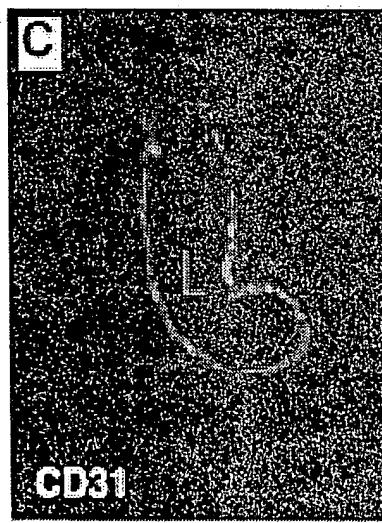


Fig. 13C

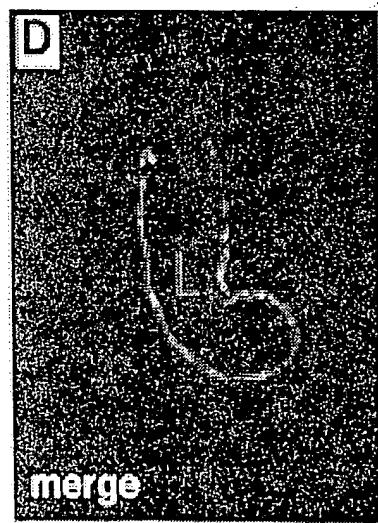
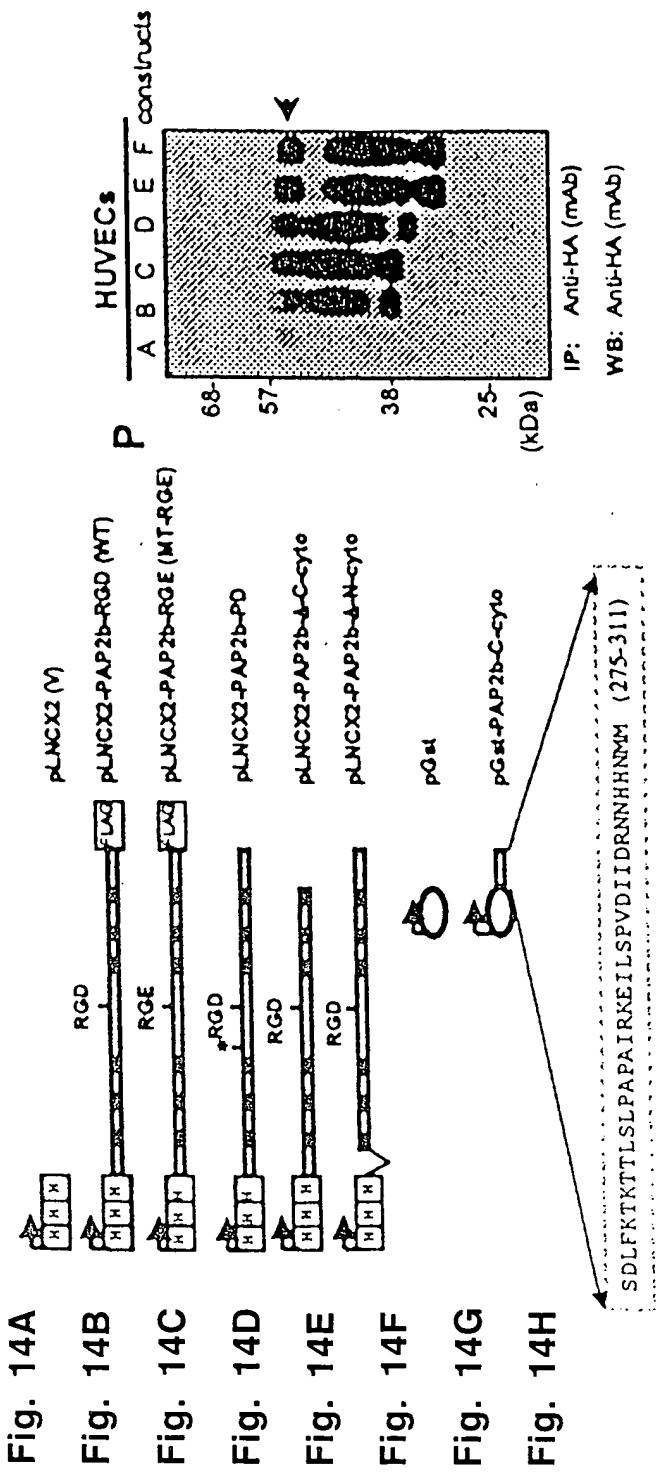


Fig. 13D



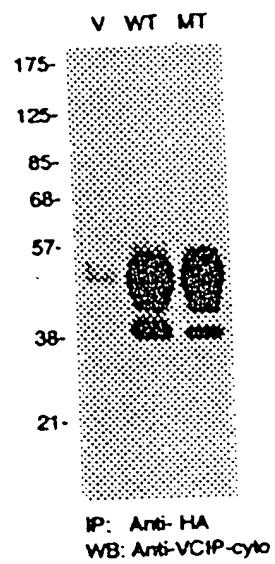


Fig. 15A

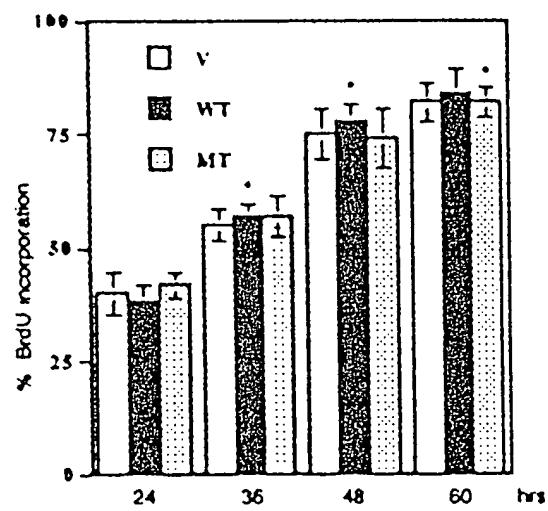


Fig. 15B

Fig. 7E

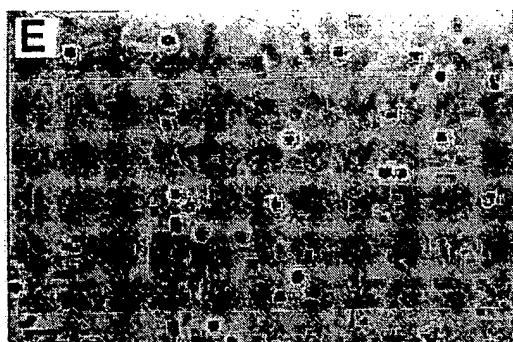
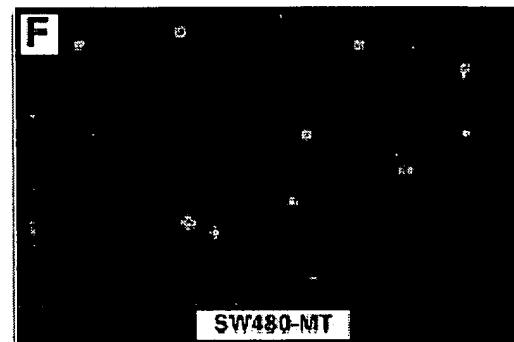
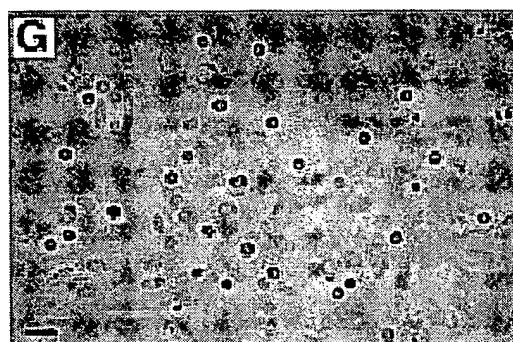


Fig. 7F



Monolayer HUVECs (MH)
(100% confluent)

Fig. 7G



Attachment of SW480
cells (red) on MH

Fig. 7H

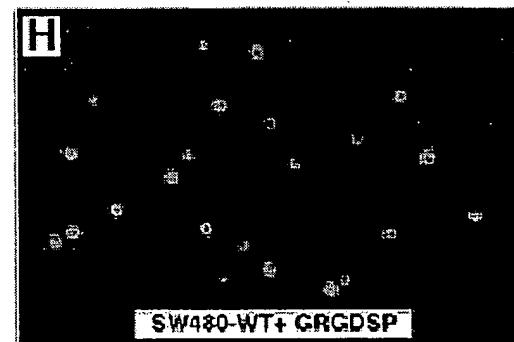


Fig. 7J

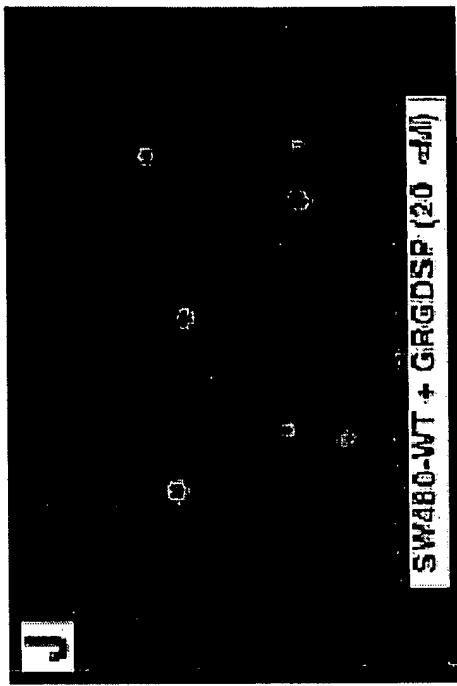


Fig. 7J

Fig. 7K

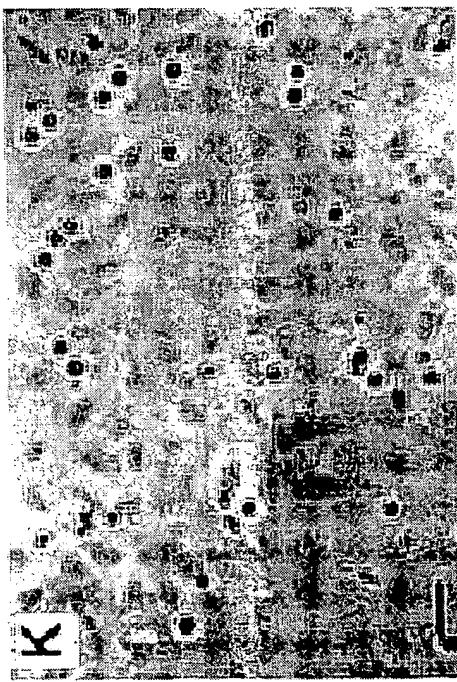
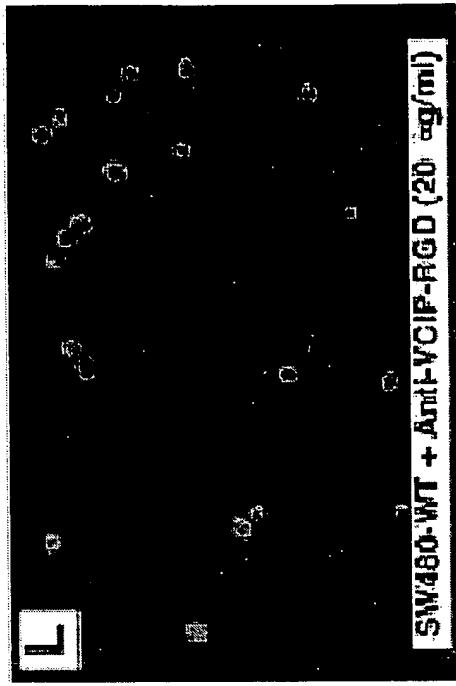


Fig. 7L



SW480-WT + GRGDSP (20 nM)

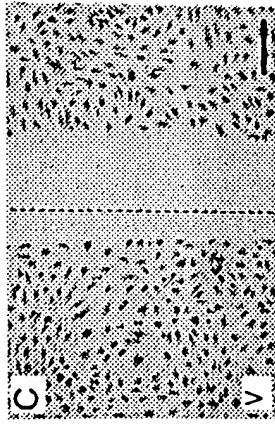


Fig. 15C

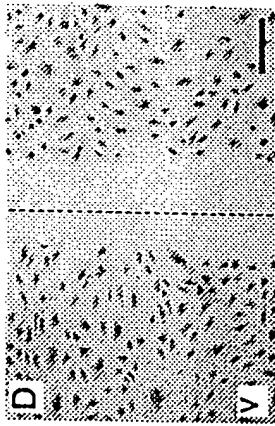


Fig. 15D

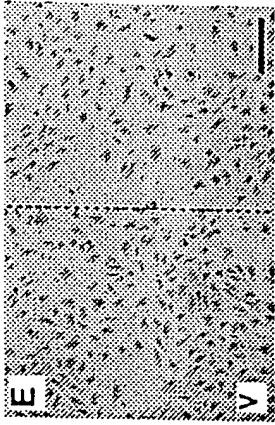


Fig. 15E

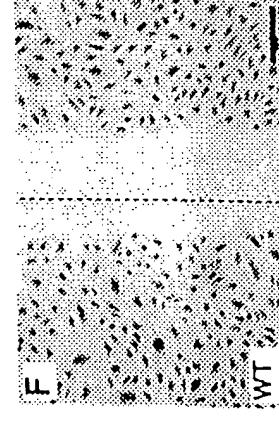


Fig. 15F

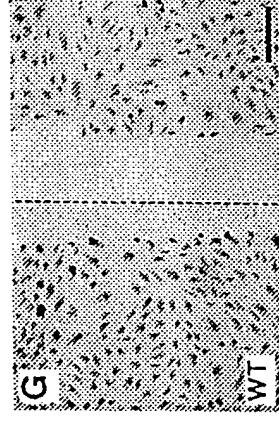


Fig. 15G

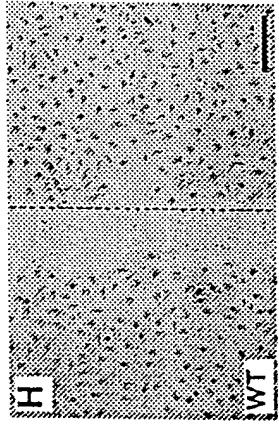


Fig. 15H

Fig. 15I

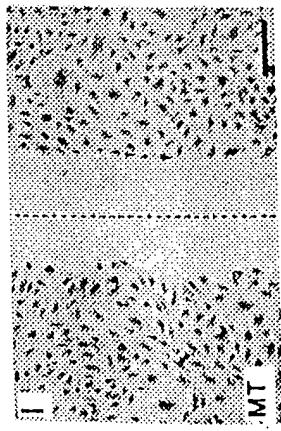


Fig. 15J

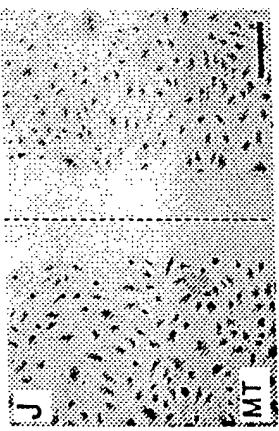
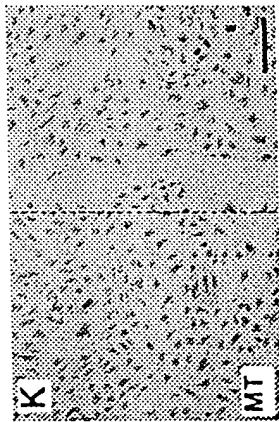


Fig. 15K



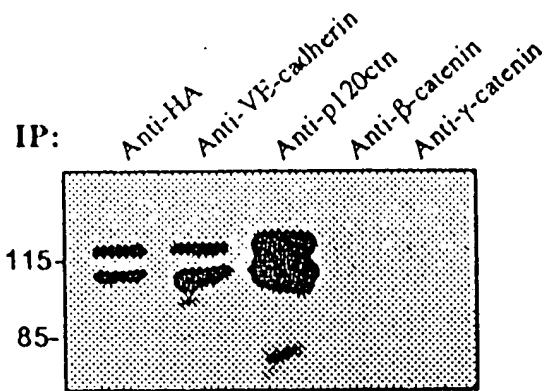


Fig. 16A

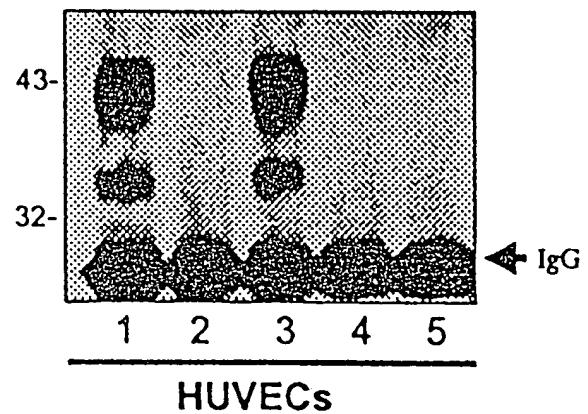


Fig. 16B

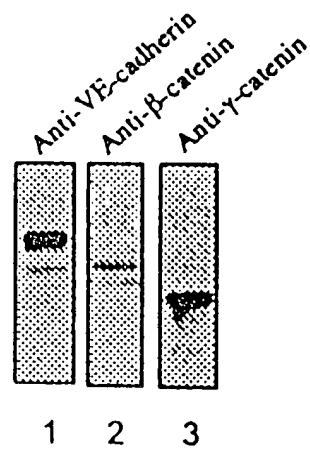


Fig. 16C

IP:
 Anti-HA
 Anti-p120ctn
 Anti-p120ctn
 Anti- β , Integrin
 Anti- β , Integrin
 Anti-HA
 Anti- β , Integrin
 Anti- β , Integrin
 Anti-TAT
 Anti-TAT
 Anti-PAP2b-RGD
 Anti-PAP2b-RGD
 Anti-p120ctn
 Anti-p120ctn
 Anti- α 1(Iso)

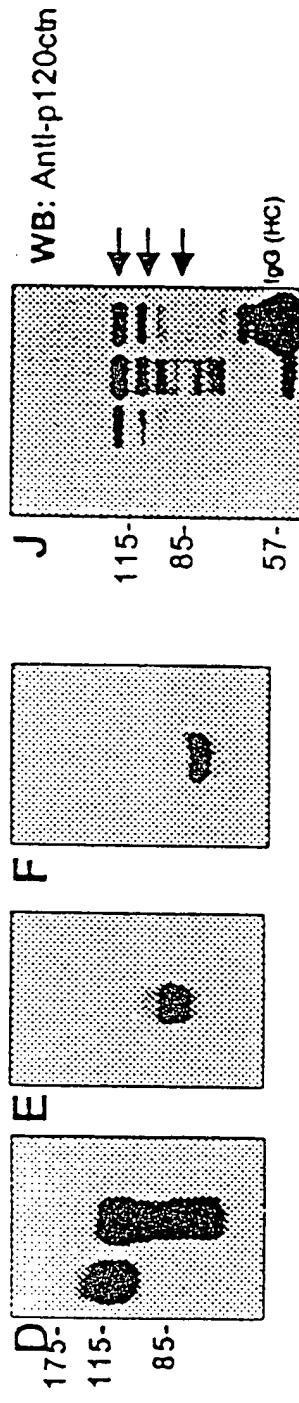


Fig. 16D Fig. 16E Fig. 16F Fig. 16J

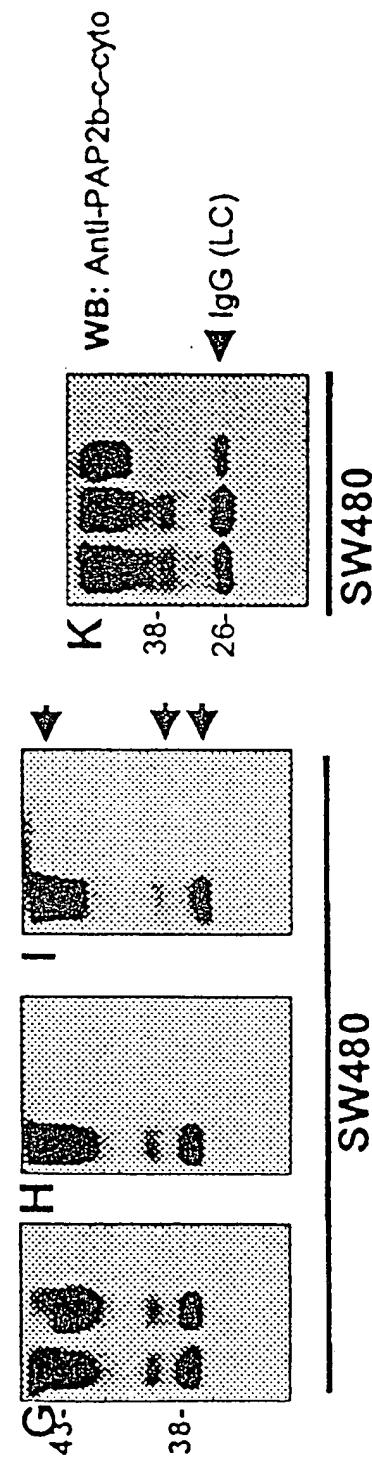


Fig. 16G Fig. 16H Fig. 16I Fig. 16J Fig. 16K

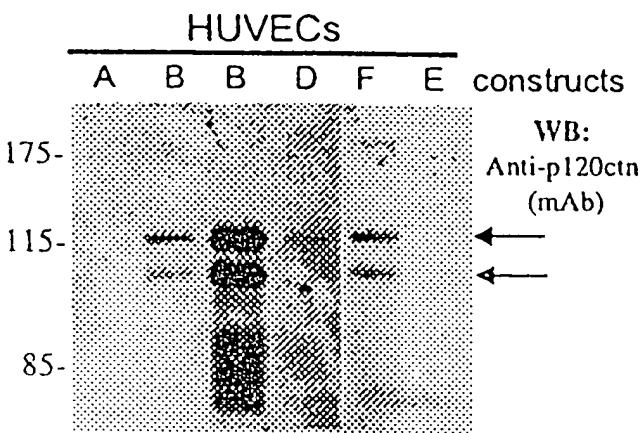


Fig. 17A

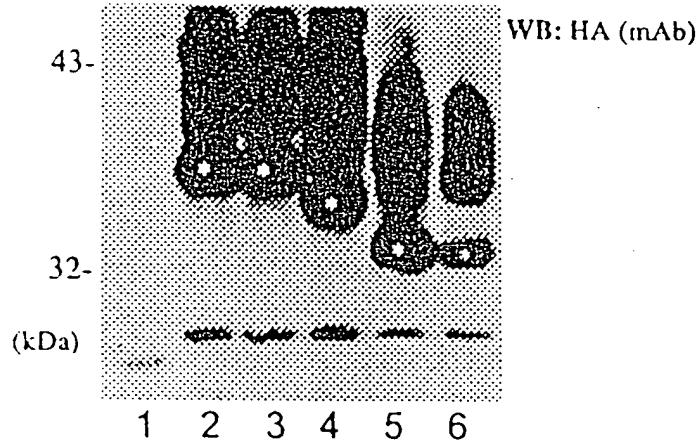


Fig. 17B

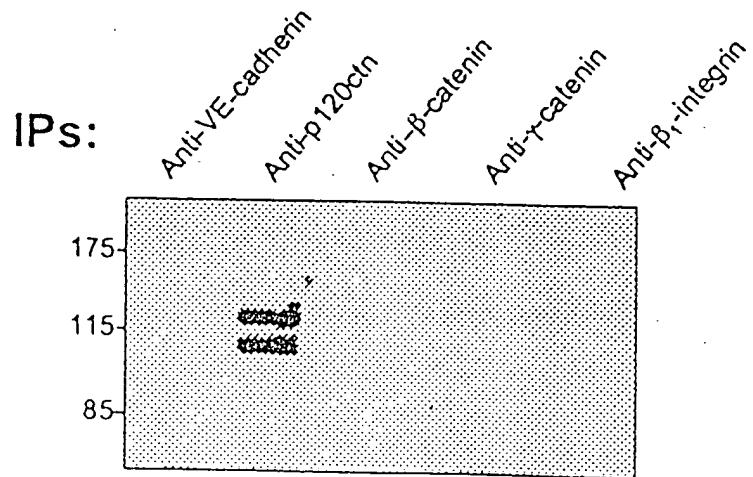


Fig. 17C

Fig. 17H

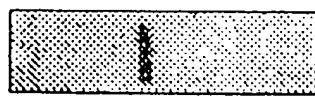


Fig. 17G

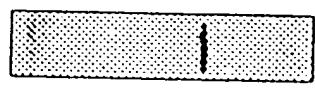


Fig. 17F

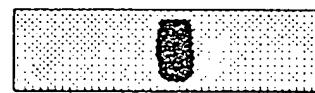


Fig. 17E



Fig. 17D

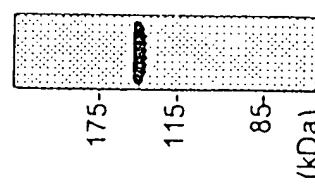
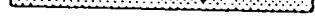


Fig. 17C



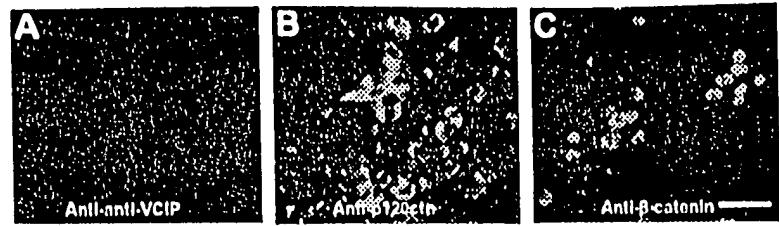


Fig. 18A

Fig. 18B

Fig. 18C

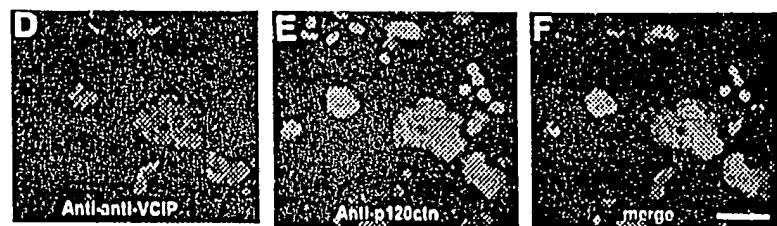


Fig. 18D

Fig. 18E

Fig. 18F



Fig. 18G

Fig. 18H

Fig. 18I

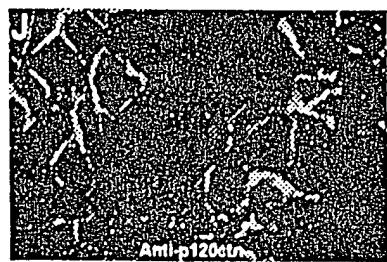


Fig. 18J

Fig. 18K

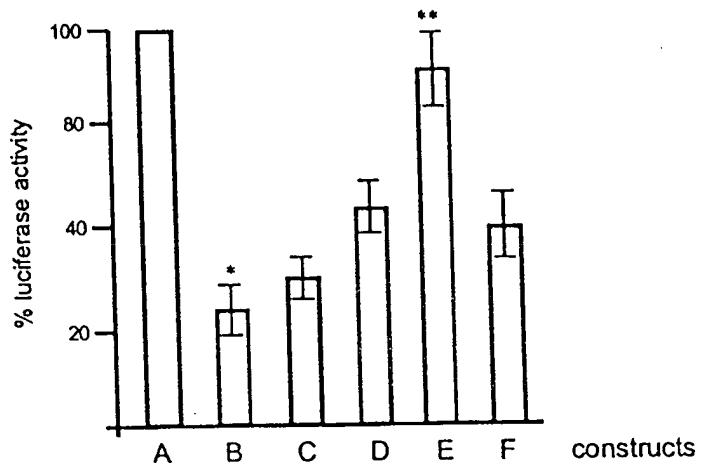


Fig. 19A

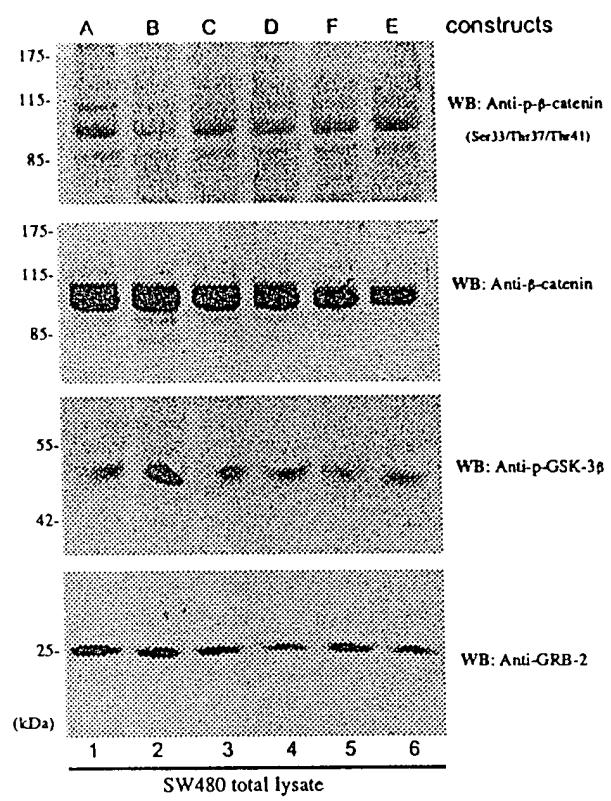


Fig. 19B

Fig. 19C

Fig. 19D

Fig. 19E

Fig. 20A



Fig. 20B

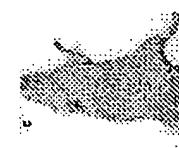


Fig. 20C

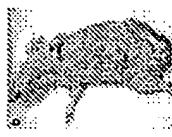


Fig. 20D

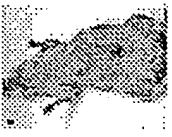


Fig. 20E

Fig. 20K

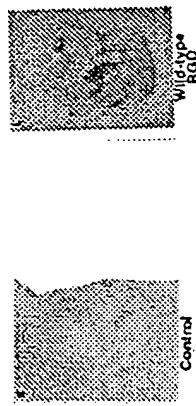


Fig. 20L



Fig. 20N

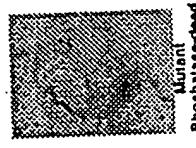


Fig. 20O

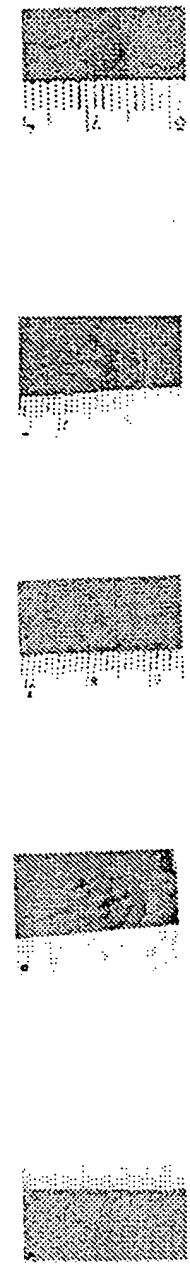


Fig. 20J

Fig. 20I

Fig. 20H

Fig. 20G

Fig. 20F

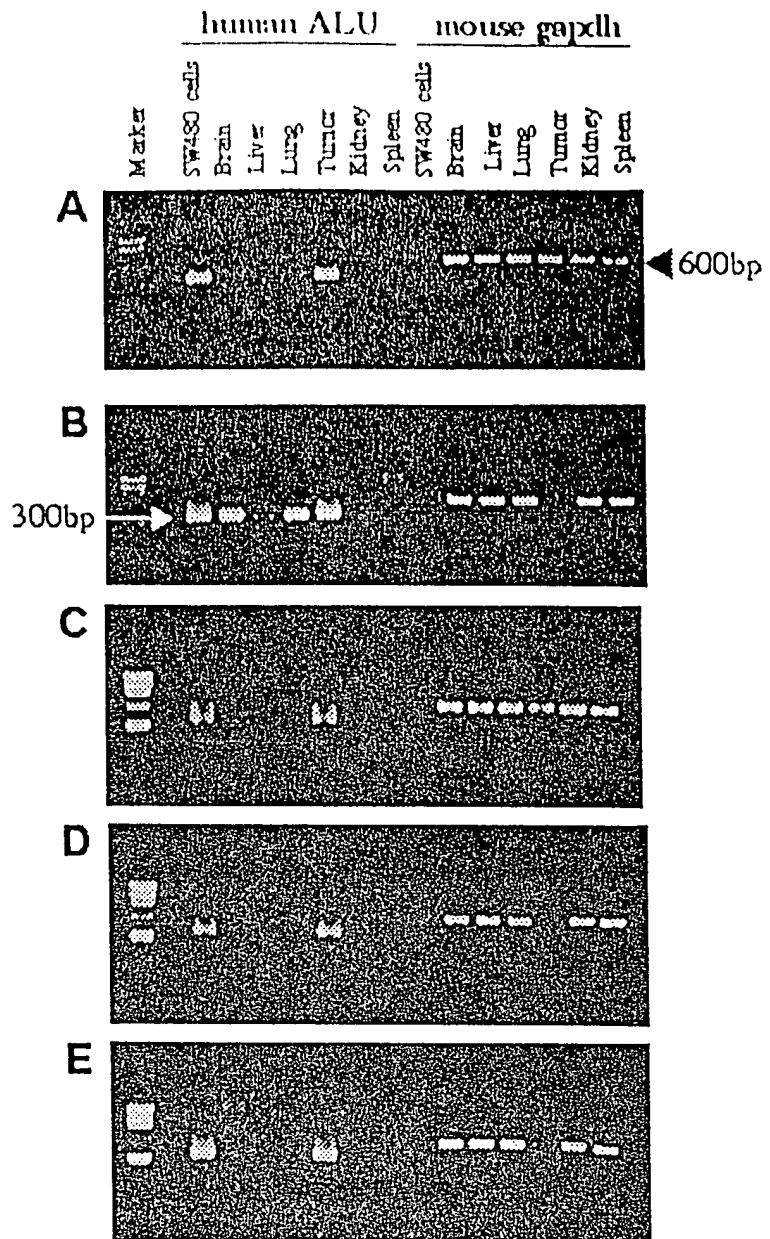


Fig. 21A

Fig. 21B

Fig. 21C

Fig. 21D

Fig. 21E

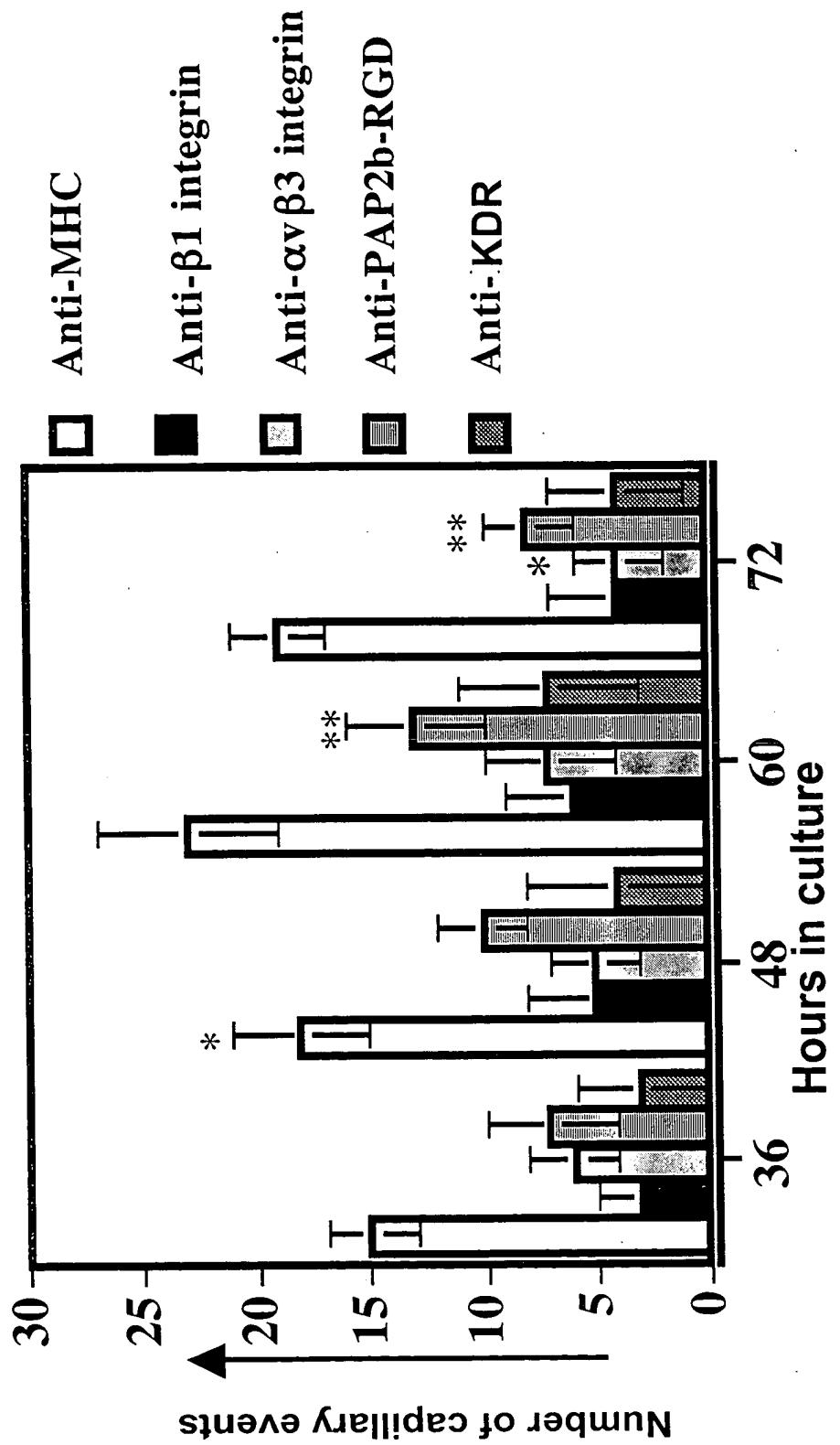


Fig. 22

Fig. 23E



Fig. 23D

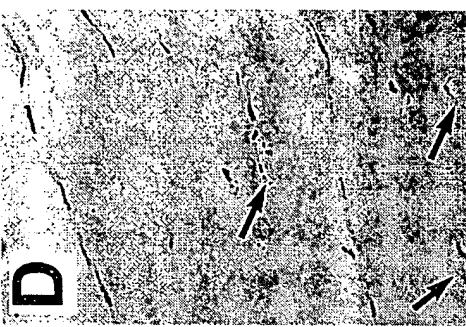


Fig. 23C

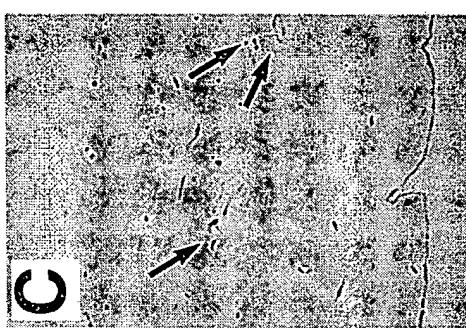


Fig. 23B

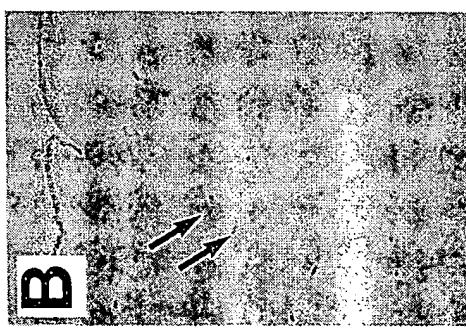


Fig. 23A

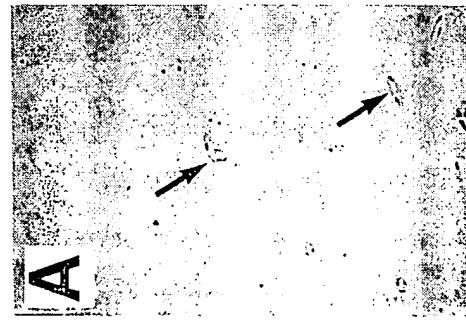


Fig. 23J

Fig. 23H

Fig. 23G

Fig. 23F

72 hrs

60 hrs

48 hrs

36 hrs

24 hrs

